

Highway Engineering

A series of independent study courses prepared by the College of Engineering for the training of employees of the Kentucky Department of Highways and others who may wish to study in the field of Highway Engineering. Each course consists of 12 assignments, each of which will require approximately six to eight hours of preparation. Students should be high school graduates but others may enroll with special permission from the director of the Independent Study Program. A student may enroll in any one of the 12 courses with approval of the director, but it is recommended that those with little or no highway experience start with course I or II (depending upon their mathematics background) and continue throughout the series.

Those persons having the appropriate background and experience who plan to become a registered Highway Engineer in the State of Kentucky will find this series of courses very helpful in preparing for the registration examination as it is now constituted.

- Highway Engineering I Basic Mathematics
- Highway Engineering II Geometry and Economics
- Highway Engineering III Basic Engineering Science
- Highway Engineering IV Introductory Thermodynamics and Electricity
- Highway Engineering V Basic Engineering Mechanics
- Highway Engineering VI Structures I
- Highway Engineering VII Structures II
- Highway Engineering VIII Elements of Surveying
- Highway Engineering IX Route Surveying and Design
- Highway Engineering X Hydraulics, Hydrology and Drainage
- Highway Engineering XI Materials I
- Highway Engineering XII Materials II

Mathematics

- 001 Basic Mathematics
- 002 Solid Geometry

Photography

- 001 Basic Photography
- 002 Fundamentals of Photography

Students must meet the enrollment requirements for a course, including any prerequisites specified for a particular course. An official transcript, however, is not required as a requisite to enrollment.

Some of the regulations governing independent study are as follows:

1. Not more than twenty-five percent or 32 semester hours of the requirements for a baccalaureate degree at the University of Kentucky may be earned by independent study.
2. A student may enroll for an independent study course any time during the calendar year.
3. A student has one year from the date of enrollment in which to finish an independent study course.
4. Three-fourths of the total amount of credit required for the issuance of any certificate in Kentucky must be in residence credit.
5. A student in residence at the University of Kentucky must have the permission of his dean to register for an independent study course.
6. Students who have been dropped by the University must be reinstated before they will be allowed to enroll for an independent study course.
7. A student who has failed a course in residence at the University of Kentucky will not be permitted to repeat the course by independent study without the permission of his dean.
8. The credit hours assigned to an independent study course will be considered in determining the load of a resident student at the University of Kentucky. Credits earned by independent study will be credited to the term in which the course is completed.
9. The final examination must be written at least ten days before the grade is required in the Registrar's Office.
10. Graduate credit is not granted by the University of Kentucky for work taken by independent study. Graduate students, however, may do independent study work, and the credit earned can be applied toward undergraduate major and/or minor fields for certification purposes.

Fees: The credit hour fee for Independent Study Program is the same as for on campus courses—\$14 per credit hour, plus \$2 nonrefundable service charge. Further information may be obtained from University Extension, Independent Study, University of Kentucky 40506.

Extension Class Program

James W. Brown, M.A., director

The Extension Class Program serves students off-campus who are unable to attend the University, or find it more helpful to work in a particular group on research problems. This program includes credit and non-credit courses for teachers, administrators, business personnel, and others who qualify for admission. Credit courses by extension require the same type of work from the students as on-campus courses.